

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002  
 DateRun: 01/08/2002  
 Experimenters: Purav Dave  
 ClientType: Lab  
 ProjectNumber: Project #1  
 Substrates: Aluminum  
 PartType: Coupon  
 Contaminants: Oil  
 Cleaning Methods: Immersion/Soak  
 Analytical Methods: Gravimetric  
 Purpose: Laboratory evaluations of alternative cleaning products  
 Experimental Procedure: Basic cleaning performance testing was conducted using ASTM G122 as the bases for cleaning.  
 Cleaning : 5 min. immersion cleaning at `40 F with stir-bar agitation.  
 Rinsing : 1/2 min. manual in water at 120 F  
 Drying : 1 min. with heat gun at 500 F  
 Contaminant : Contaminated machine Oil collected from machine table (Shelf CT-3-997109)

**Results:**

**Summary:**

<b>Substrates:</b>	Aluminum				
<b>Contaminants:</b>	Oil				
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>
Simple Green	Crystal Simple Green Industrial Cleaner & Degreaser	5	85.96	<input checked="" type="checkbox"/>	
Calgon Corporation	Geo Guard 2000	5	127.12	<input type="checkbox"/>	acts on Al coupons
Calgon Corporation	GP Xtra	5	80.91	<input type="checkbox"/>	
PCI of America	Hurrifafe 9450	5	80.14	<input type="checkbox"/>	
Brulin Corporation	Nature Sol 100	5	98.52	<input checked="" type="checkbox"/>	

**Conclusion:** Coupons in Geoguard were kept for 2 and 1/2 min because it appeared to be acting on the coupons and it foamed a lot.